

EP 0196960 A1

TI: Electro-valve control circuit includes capacitor and thyristor switch ensuring rapid operation of electromagnets

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AB: The device includes a storage capacitor (CP) and an inductor (IND) connected between the positive supply (4) and an intermediate terminal (1). This terminal is connected to the negative supply (-) by an electronic load switch (1C). A switch comprising a thyristor (TH1) and a zero diode (Z1) with a resistor (R) allows the high voltage produced at the intermediate terminal (1) to charge the capacitor. A constant current generator (GCC) provided the holding current and is connected in parallel with the inductor and thyristor switch. A diode in series with the current generator prevents high voltage pulses returning to the supply.; Operation of rapid acting electromagnetic components such as fuel injectors.